*FIG. 1*

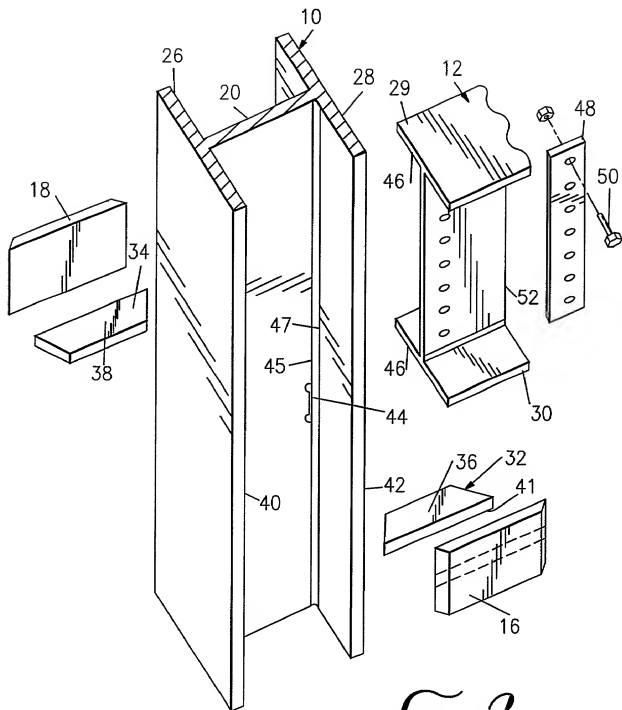


Fig. 2

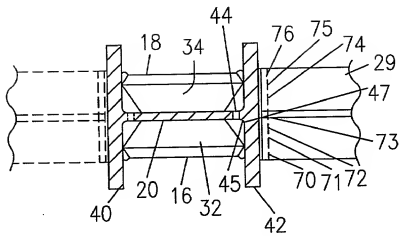


Fig. 3

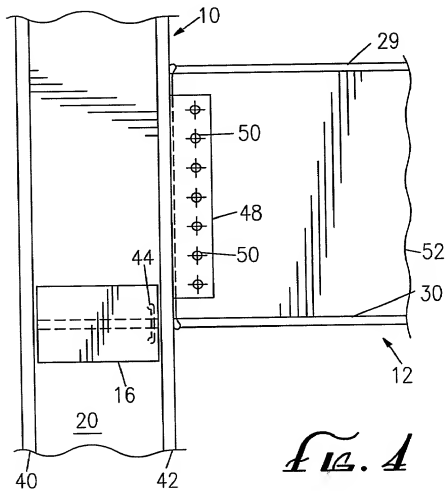
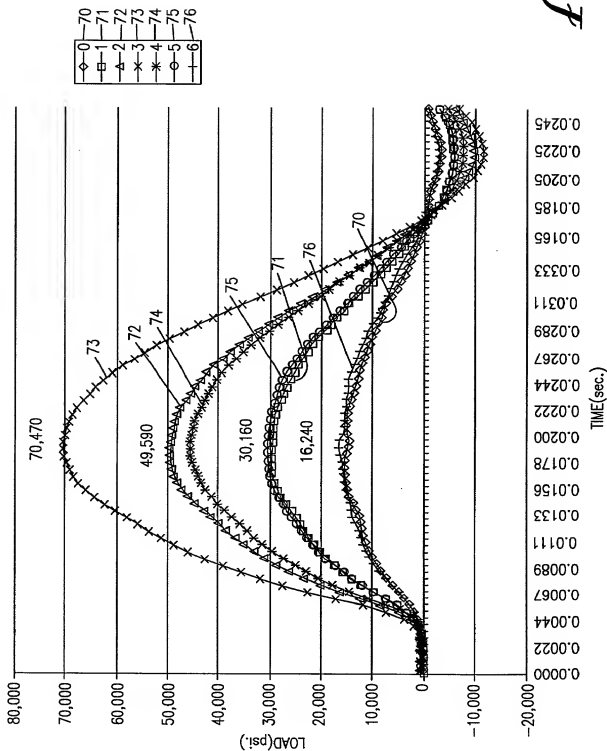


Fig. 4

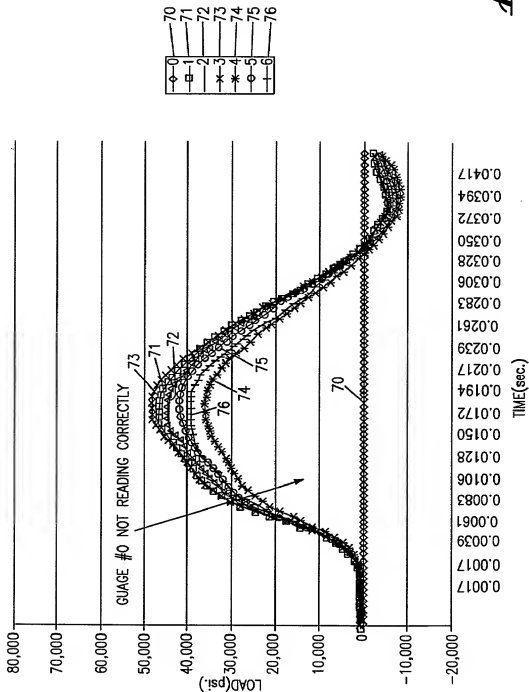
102050" 94424860

SEISMIC SIMULATION 2000 LBS. 9" DROP (9'-6" MOMENT ARM)



102050" 9444860

SEISMIC SIMULATION 2000 LBS. 9" DROP (9'-6" MOMENT ARM)  
 1" THICK BY 8" HIGH VERT. PLATE WITHIN COL. FLANGE W/TAPERED 1" THICK CONTINUITY  
 PLATE. 4-1/2" SLOT CUT IN COL. WEB. NOTE CH 0 NOT READING CORRECTLY. (SET TO  
 0 PSI.)



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Fig. 6

102050-9444860

SEISMIC SIMULATION 2000 LBS. 9" DROP (9"-6" MOMENT ARM)

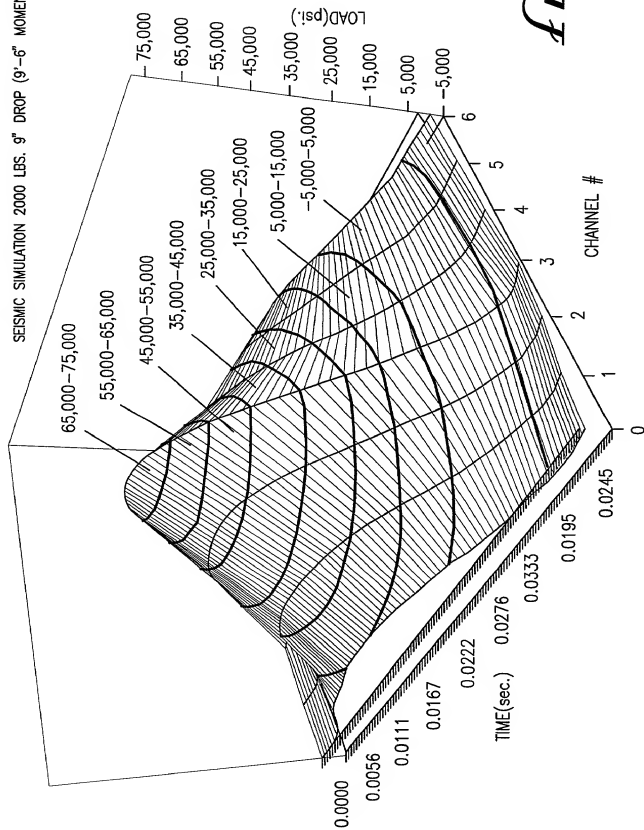


Fig. 7

SEISMIC SIMULATION 2000 LBS. 9" DROP (9'-6" MOMENT ARM)  
 1" THICK BY 8" HIGH VERT. PLATE WITHIN COL. FLANGE W/TAPERED 1" THICK CONTINUITY  
 PLATE. 4-1/2" SLOT CUT IN COL. WEB. NOTE CH 0 NOT READING CORRECTLY. (SET TO  
 0 PSI.)

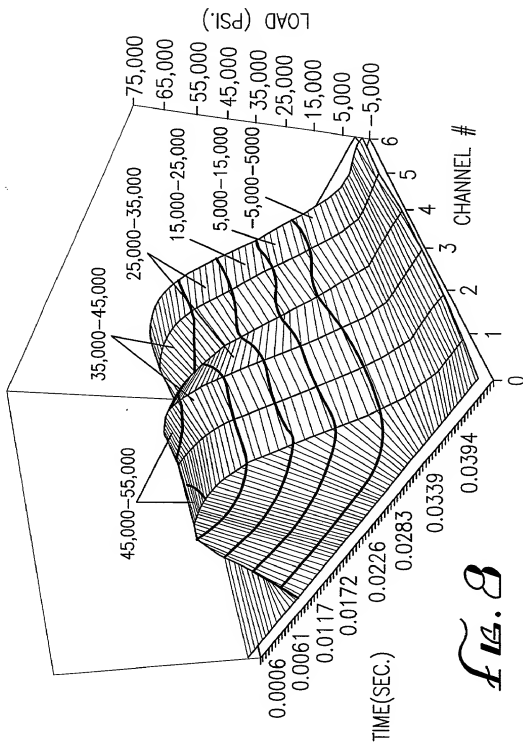


Fig. 8

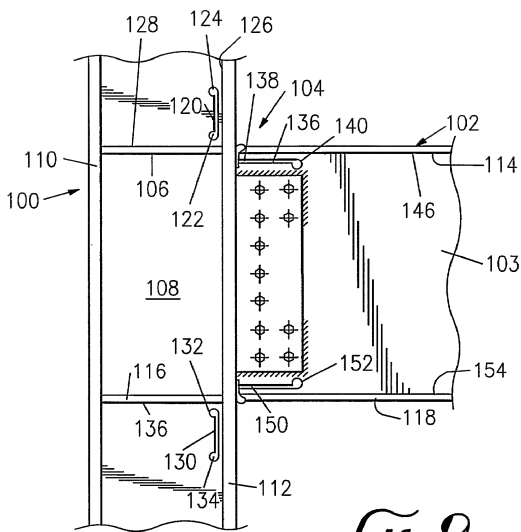


Fig. 9

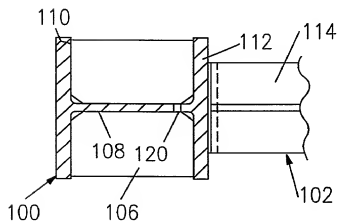


Fig. 10

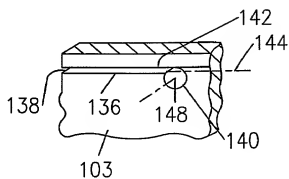
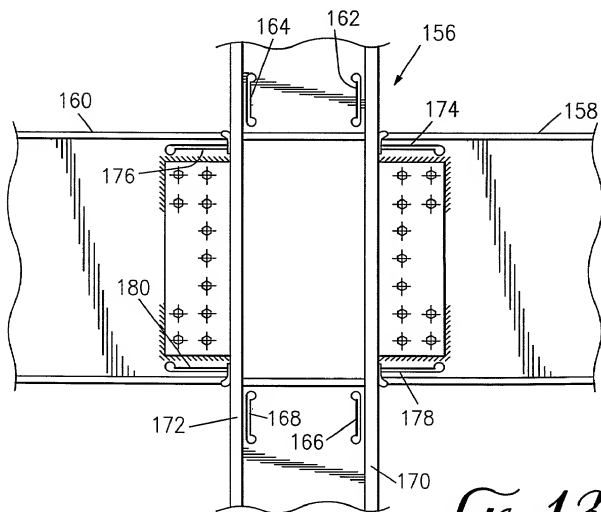
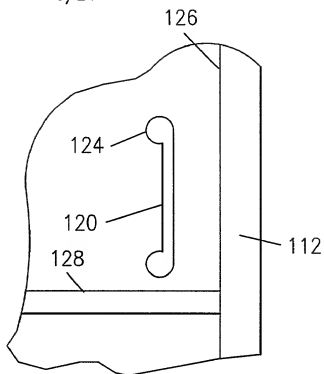


Fig. 11



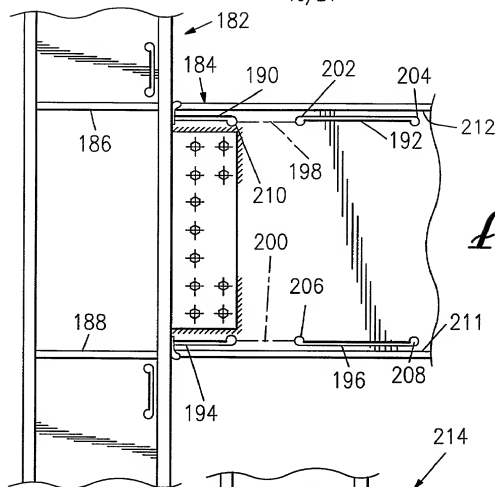
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*Fig. 12*



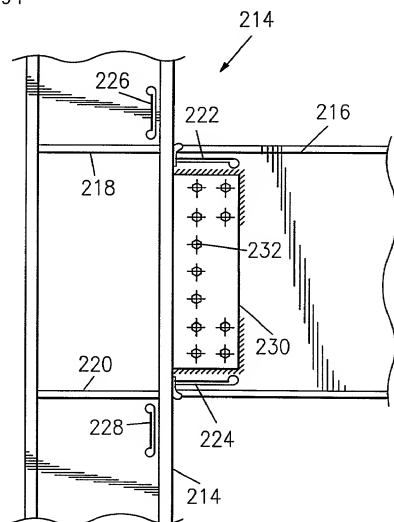
*Fig. 13*

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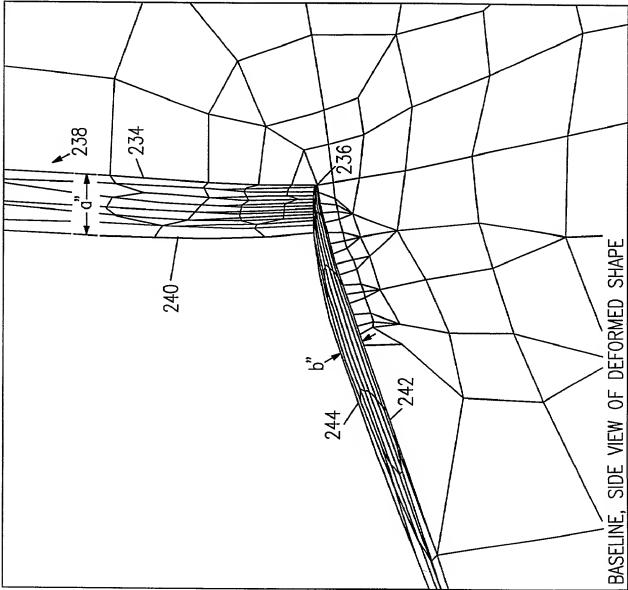
*Fig. 14*

*Fig. 15*



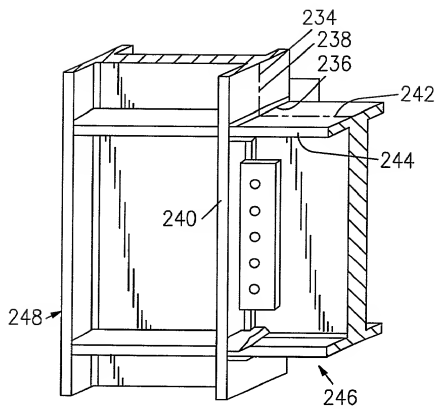
102050-9444860

ANSYS 5.1 34  
JULY 31, 1995  
09:53:34  
DISPLACEMENT  
STEP=1  
SUB=1  
TIME=1  
RSYS=0  
DMX=1.114  
SEPC=26.872  
\*DSCA=50  
XV=1  
\*DIST=4.153  
\*XF=-3.943  
\*YF=12.822  
\*ZF=4.91  
CENTROID HIDDEN



BASELINE, SIDE VIEW OF DEFORMED SHAPE

Fig. 10

*Fig. 17*

ANSYS 5.1 34

JUL 31, 1995

12:13:23

DISPLACEMENT

STEP=1

SUB=1

TIME=1

RSYS=0

DMX=1.052

SEPC=25.25

\*DSCA=50

XV=1

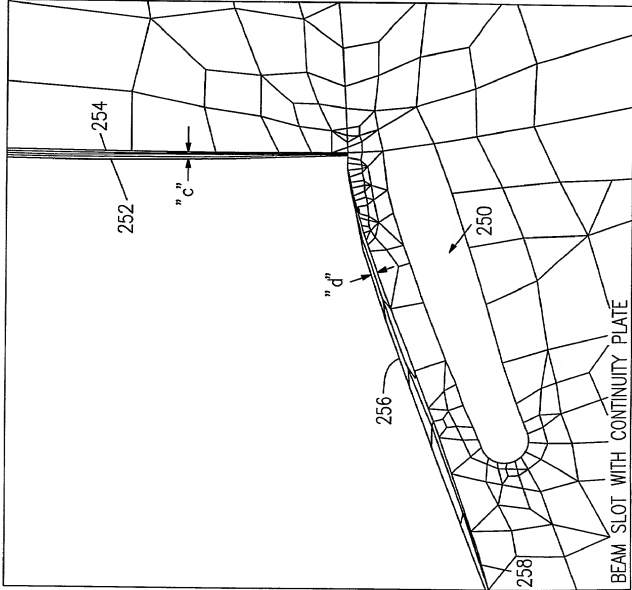
\*DIST=6.487

\*XF=-3.912

\*YF=13.41

\*ZF=6.221

CENTROID HIDDEN



*Fig. 18*

ANSYS 5.1 34

AUG 8, 1995

23:47:27

DISPLACEMENT

STEP=1

SUB=1

TIME=1

RSYS=0

DMX=1.067

SEPC=24.838

\*DSCA=50

XV=1

\*DIST=6.361

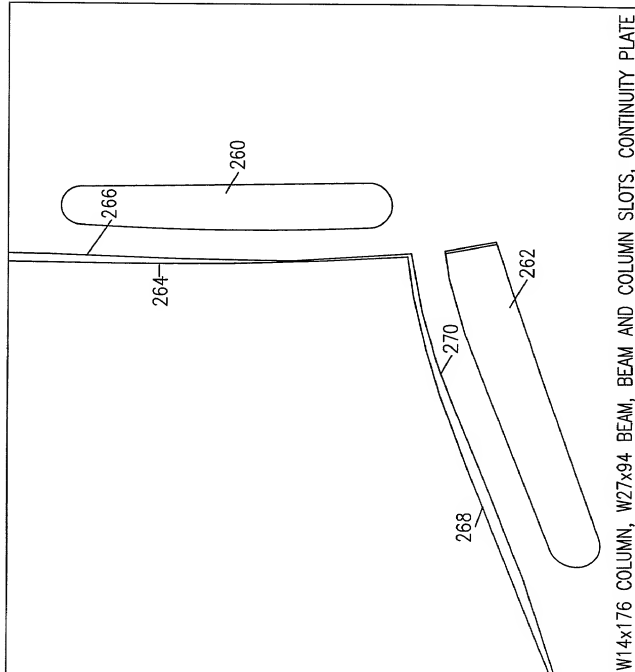
\*XF=-3.912

\*YF=14.574

\*ZF=5.901

CENTROID HIDDEN

EDGE



W14x176 COLUMN, W27x94 BEAM, BEAM AND COLUMN SLOTS, CONTINUITY PLATE

Fig. 19

ANSYS 5.1 34  
AUG 21, 1995  
13:11:27

NODAL SOLUTION

STEP=1

SUB=37

TIME=3.445

UX

TOP

RSYS=0

DMX=3.544

SMN=-0.153612

SMX=2.209

-0.153612

0.108884

0.37138

0.633876

0.896371

1.159

1.421

1.684

1.946

2.209

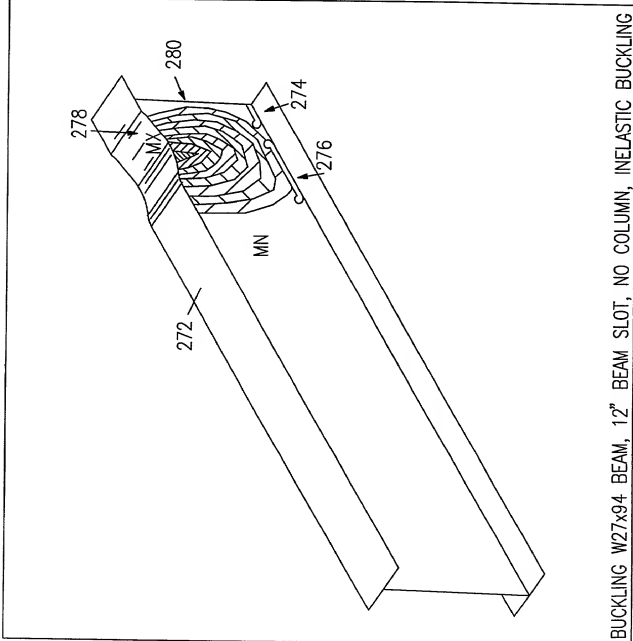


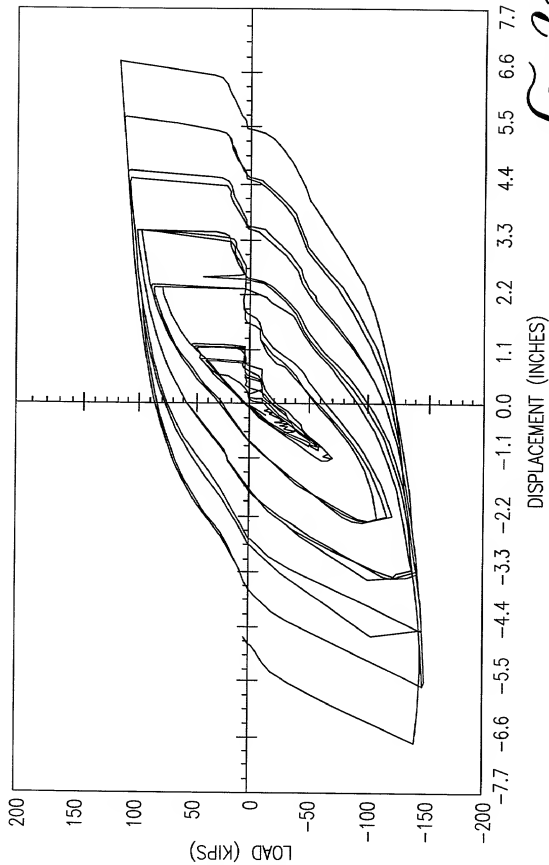
Fig. 20

102050" 94424860

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DRAFT

ATC-24 S.E. 'BMSLT1A' AUGUST 22, 1995



*Fig. 21*



Fig. 22

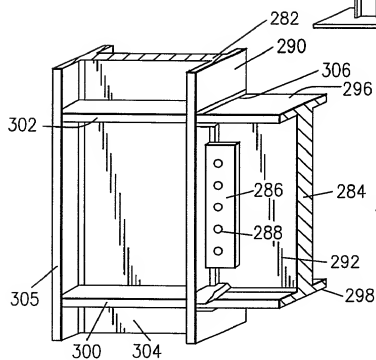
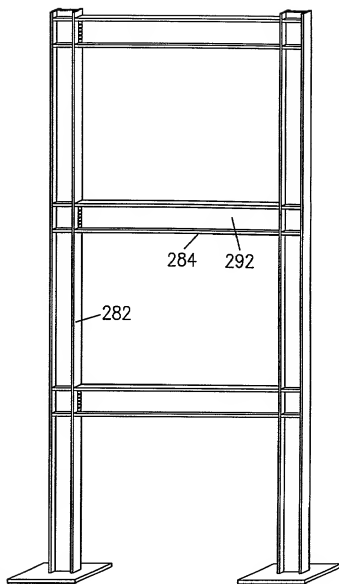
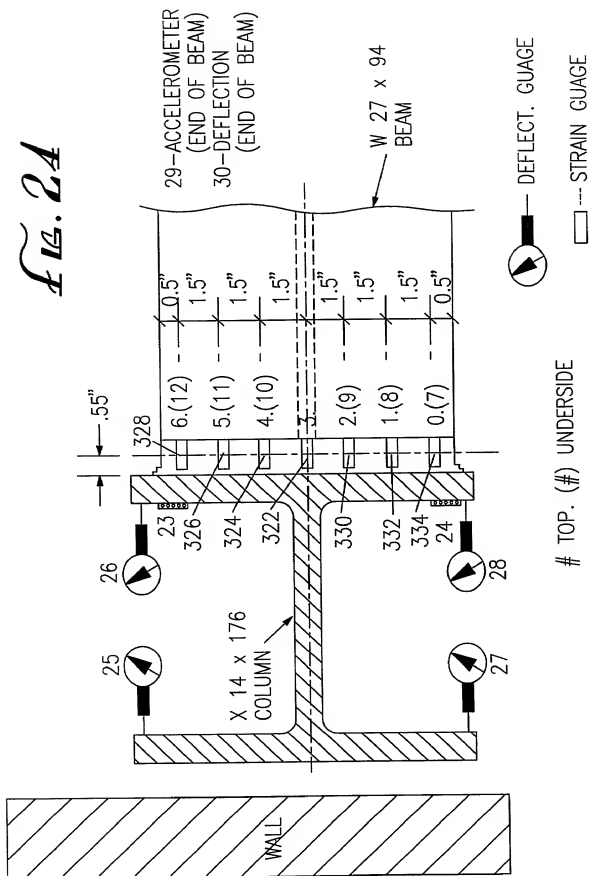


Fig. 23



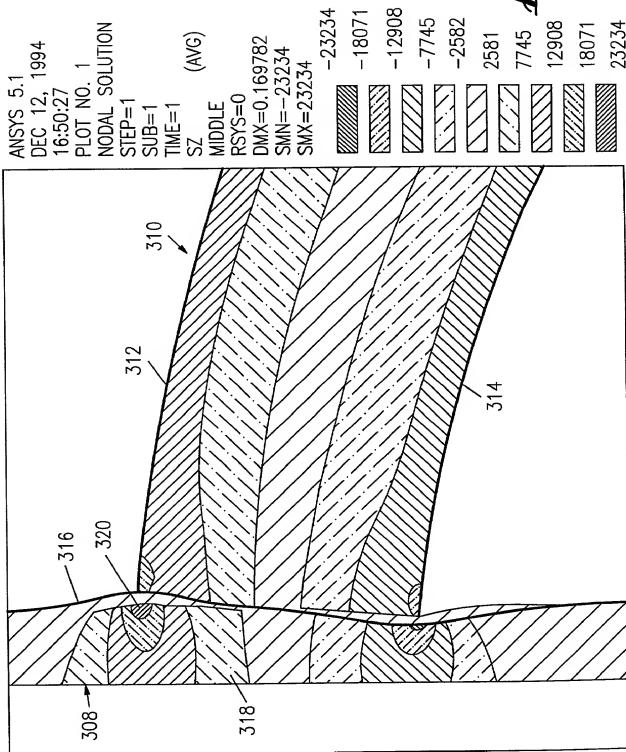
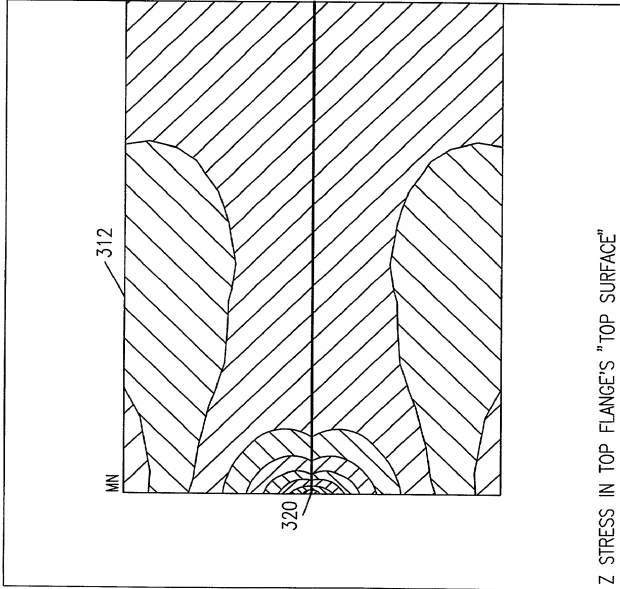


Fig. 25

702050\* 94444860

ANSYS 5.1  
DEC 12 1994  
11:12:33  
PLOT NO. 1  
NODAL SOLUTION  
STEP=1  
SUB=1  
TIME=1  
SZ (AVG)  
BOTTOM  
RSYS=0  
DMX=0.169781  
SMN=1244  
SMNB=735.877  
SMX=41405  
SMXB=42926  
1244  
5706  
10168  
14631  
19093  
23555  
28018  
32480  
36942  
41405



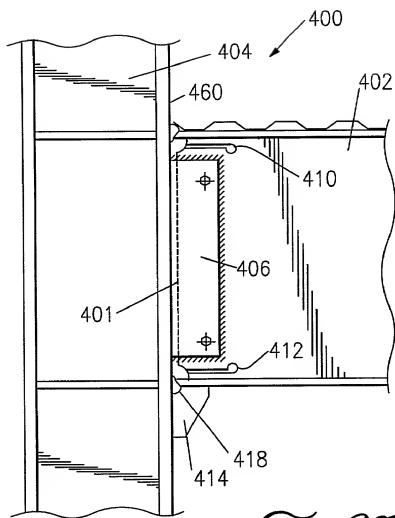


Fig. 27

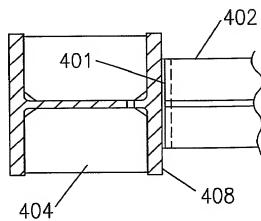


Fig. 28

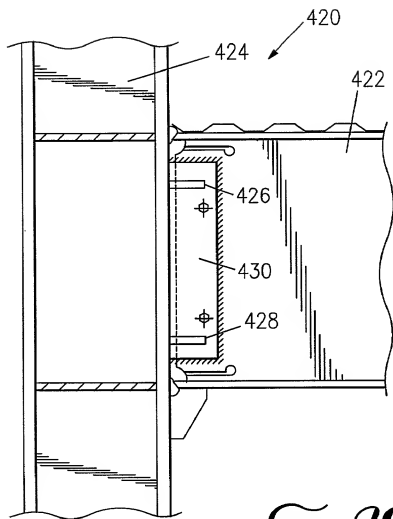


Fig. 29

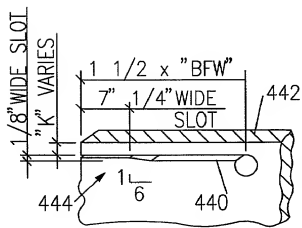


Fig. 31

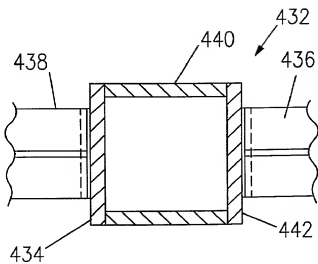
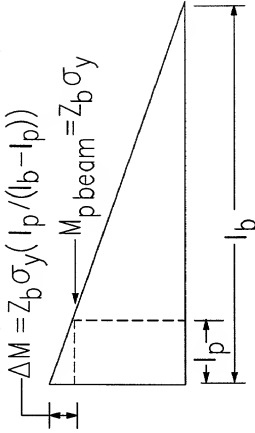
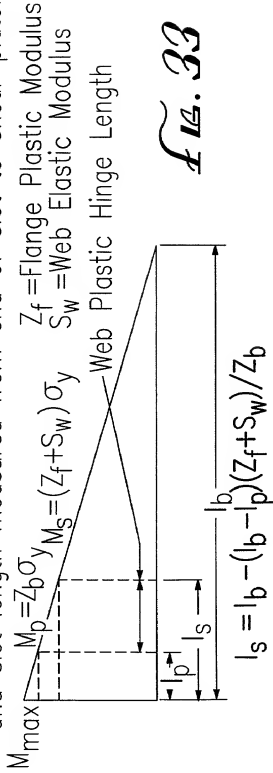


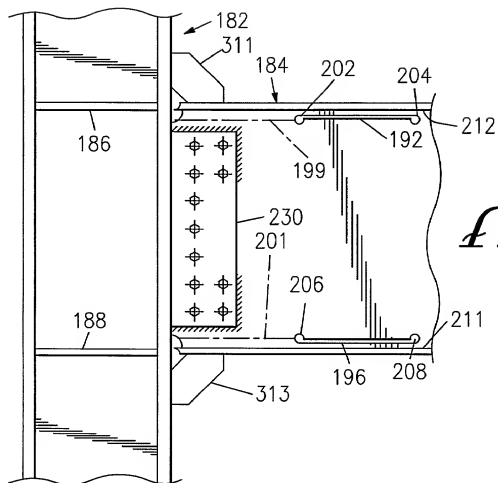
Fig. 30

- Develop required plate strength at the column face using ATC-24 moment diagram



- Use ATC-24 moment diagram to compute the web plastic hinge and slot length measured from end of slot to shear plate.





*Fig. 34*